

## INTERNATIONAL SEARCH REPORT

IB2004/052844

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/1333 G02F1/1343 G02F1/137

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 008, no. 097 (P-272), 8 May 1984 (1984-05-08) & JP 59 010929 A (TOKYO SHIBAURA DENKI KK), 20 January 1984 (1984-01-20) abstract	1, 3-5
X	US 5 274 481 A (KIM ET AL) 28 December 1993 (1993-12-28) the whole document	1, 3-5
A	US 2003/007118 A1 (TSANG PETER TJIN SJOE KONG ET AL) 9 January 2003 (2003-01-09) the whole document	2

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

8 February 2005

Date of mailing of the international search report

17/02/2005

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 59010929	A	20-01-1984	JP 1589325 C JP 2011125 B	30-11-1990 13-03-1990
US 5274481	A	28-12-1993	KR 9305559 B1 DE 4208523 A1 JP 4369617 A	23-06-1993 17-12-1992 22-12-1992
US 2003007118	A1	09-01-2003	CN 1459042 T EP 1370901 A2 WO 02073298 A2 JP 2004519726 T	26-11-2003 17-12-2003 19-09-2002 02-07-2004